

Name _____

Grouping for Easy Math

1. Rows of Chairs - There are 4 sections of chairs. Each section has 3 rows, and each row has 6 chairs.

- a) Write two associative property equations to find the total chairs.
- b) Solve both and show they are equal.

2. Juice Bottles - A store orders 5 crates of juice. Each crate has 8 boxes, and each box holds 4 bottles.

- a) Write the equation two different ways using parentheses.
- b) Solve both.



- c) Which grouping makes it easier to calculate mentally? Why?

3. Lunch Trays - The cafeteria has 6 tables. Each table has 4 trays, and each tray holds 5 meals.

- a) Write an equation using the associative property.
- b) Solve for the total number of meals.

4. Choose the grouping that makes the math simpler.

- a) $50 + 75 + 25$ $(50 + 75) + 25$ or $50 + (75 + 25)$?

Solve both and explain which one is easier:

- b) $2 \times 5 \times 50$ $(2 \times 5) \times 50$ or $2 \times (5 \times 50)$?

Solve both and explain which is simpler: